DERWENT-ACC-NO: 1985-089507
DERWENT-WEEK: 198515

TITLE: Enzyme granule prodn. - by spraying soln. contg. enzyme, binder and stabiliser onto rotating core material, opt. spraying with another core material etc.

PATENT-ASSIGNEE: SHOWA DENKO KK[SHOW]

PRIORITY-DATA: 1983JP-0144376 (August 9, 1983)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 60037983 A	February 27, 1985	N/A	004	N/A

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
JP 60037983A	N/A	1983JP-0144376	August 9, 1983

INT-CL (IPC): A61K009/16; A61K037/48 ; C11D003/38 ; C12N009/98

ABSTRACTED-PUB-NO: JP 60037983A
BASIC-ABSTRACT: Method comprises (1) rotating core-material in a granulation pan and spraying a soln. contg. enzyme, binder and stabiliser as droplets onto the material; (2) also spraying another core material on the particles necessary; (3) drying the granules formed; and (4) enlarging by repeating the same procedures.

The particle dia. of the core material, which forms nucleus of the granule, is pref. 0.1-2 mm. The wt. ratio of core material is pref. 20-90%. The enzyme used is e.g. peptidase, carboxylic acid hydrolase, glycoside hydrolase and isomerase. Amt. of enzyme used is pref. 5-75%. Two or more enzymes may be simultaneously granulated. The core material is e.g. glucose, dextrin, zeolite, sodium chloride, etc.

ADVANTAGE - When an enzyme is used as a powder, it is dusty or has low fluidity. This method improves the problems of powdery enzyme.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS:
ENZYME GRANULE PRODUCE SPRAY SOLUTION CONTAIN ENZYME BIND STABILISED ROTATING
CORE MATERIAL OPTION SPRAY CORE MATERIAL

DERWENT-CLASS: B04 D16

CPI-CODES: B04-B02C; B12-M11; D05-A02;

CHEMICAL-CODES:
Chemical Indexing M1 *01*
Fragmentation Code
M423 M431 M720 M782 M903 N104 Q233 R032 V802 V814 V815 V817

Chemical Indexing M6 *02*
Fragmentation Code
M903 Q233 Q620 R032 R112 R303 R315 R527 R531 R538

SECONDARY-ACC-NO:
CPI Secondary Accession Numbers: C1985-038784